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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/594,197	06/21/2007	Kazuya Okano	003D.0112.U1(US)	7602
29683 7590 01/14/2009 HARRINGTON & SMITH, PC 4 RESEARCH DRIVE, Suite 202 SHELTON, CT 06484-6212				
EXAMINER HARVEY, JAMES R				
ART UNIT 2833		PAPER NUMBER		
MAIL DATE 01/14/2009		DELIVERY MODE PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/594,197

Applicant(s)

OKANO, KAZUYA

Examiner

James Harvey

Art Unit

2833

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 21 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-2 is/are allowed.
- 6) ☒ Claim(s) 3-5 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 21 June 2007 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/CS-100)
- 4) ☐ Interview Summary (PTO-413)
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____
- Paper No(s)/Mail Date 9-25-06

DETAILED ACTION

Drawings

- The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims.

-- In reference to Claim(s) claim 3, the recitation "pass-through hole" is not pointed out in applicant's drawings or assigned a number within applicant's specification so that it is clear what structure would or would not anticipate. An examination on the merits (as best understood) is addressed herein.

-- The above feature(s) must be shown or the feature canceled from the claim. No new matter should be entered.

Claim Objections

- The following claim(s) is/are objected to because of the noted informalities:
- The following claim(s) is(are) objected to under 37 C.F.R. Rule 1.75 (d)(1).

- The terms and the phrases used in the claims must find clear support or antecedent basis in the description so that the meaning of the terms in the claims may be ascertainable by reference to the description.

- In reference to Claim(s) claim 3, the recitation "pass-through hole" is not pointed out in applicant's drawings or assigned a number within applicant's specification so that it is clear what structure would or would not anticipate. An examination on the merits (as best understood) is addressed herein.

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- Correction is required.

Claim Rejections - 35 USC § 112

- The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- The following claims is/are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- In reference to Claim(s) claim 3, the recitation “pass-through hole” is not pointed out in applicant's drawings or assigned a number within applicant's specification so that it is clear what structure would or would not anticipate. An examination on the merits (as best understood) is addressed herein.

Claim Rejections - 35 USC § 102

- The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

**** The following claim(s) is/are rejected under 35 U.S.C. 102(b) as being anticipated by Tangler et al. (4985000; herein referred to as tt).**

In reference to Claim(s) 5, tt shows (see detailed description portion; paragraph 17) bar 23 (cover sheet), end region ("one end") that is fixed (paragraph 17) and metal portion ("shield plate").

Allowable Subject Matter

- Claim(s) listed at box 7 on PTO-FORM 326 has(have) allowable subject matter.
- Claim(s) listed at box 7 on PTO-FORM 326 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- Claim(s) 3 and 4 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.
- The following is a statement of reasons for the indication of allowable subject matter:

In reference to Claim(s) 1 and 3, Lockard (4602830; herein referred to as ll) shows (figures 3 and 6) structure that shows a soldering process method with a cooling member 12, solder weld 158, cable 150. However, ll is not seen to be compatible with applicant's claimed coaxial cable and neither ll or the prior art show the region of the coaxial cable next to and in contact with the cooling member is cooled, thereby preventing the flow of solder into regions other than the portions to be soldered (claim 1) or the heat that is conducted from the portion being soldered to the coaxial cable side is absorbed by the contact region, the region being able to be kept at below the melting point of the solder (claim 3).

The above noted structure in combination with all the other elements of the claim is not shown in a publication and the examiner knows of no permissible motivation to combine the prior art such that the subject matter as a whole would have been obvious at the time the invention was made.

- If the application becomes allowable, any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowable Subject Matter".

Conclusion

The prior art listed on PTO form 892 that is made of record and not relied upon is considered pertinent to applicant's disclosure because it shows the state of the art with respect to applicant's claimed invention. For example, Benden (6905354 and 4602830) show that welding and soldering are broad and interchangeable terms that can include solder or laser welds.

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- Any inquiry concerning this communication or earlier communications from the examiner should be directed to James R. Harvey whose telephone number is 571-272-2007.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Renee Luebke can be reached on 571-272-2800 extension 33.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 571-272-2800.
jrh

/James Harvey/
James Harvey
Primary Examiner